



U.S. EPA REMOVAL ACTION  
AT THE  
MAHONINGSIDE POWER PLANT SITE  
WARREN, TRUMBULL COUNTY, OHIO  
EMERGENCY CONTINGENCY PLAN  
OCTOBER 9, 2000

The Mahoningside Power Plant site is located at 650 Summit Street in Warren, Trumbull County, Ohio. The geographical coordinates for the site are latitude  $41^{\circ}14'37.5''$  north and longitude  $80^{\circ}49'42.8''$  west. The site location map (Figure 1) illustrates the location of the site. The site is located in a mixed residential, industrial, and commercial area. The site is bordered to the south by Summit Road. A railroad line is located to the north of the site. The west portion of the site is bound by Tod Avenue, and to the east of the site is the Mahoning River and Mahoning Avenue. There is a school within one mile of the site (to the south). Approximately one half mile to the southeast of the site is City Hall, and there is a city park less than 1/4 mile to the south. The site features map (Figure 2) illustrates the site.

The former Mahoningside Power Plant operated as an electric-producing facility for the city. It may have been subsequently used for transformer stripping operations. Known contamination exists at the site as well as in the Mahoning River adjacent to the site. The contaminants of concern are polychlorinated biphenyls (PCBs) and mercury.

Since 1995, the City of Warren has worked to demolish the former power plant in order for the property to be re-used as part of redevelopment. During the course of the project, asbestos containing materials were found to be part of the fill at the site. Near the end of the demolition project, PCBs were found to be at the site in the basement and may also be leaching into the soft shale bedrock through cracks in the lines and floor of the facility basement. In late spring, 2000, the city ran out of funding to complete the project. There are currently 30 roll-off containers with PCB material at the site, and PCB contaminated sediment is known to still be present on site. Additional sampling activities have been conducted in the Mahoning River by Ohio EPA and PCBs have been identified in river sediments near the site.

On October 10, 2000, U.S. EPA will initiate a removal action at the Mahoningside Power Plant site to stabilize and remove PCB and potential mercury contaminated soils, debris, and sediments. U.S. EPA will also continue water treatment efforts initiated by a City of Warren contractor. A U.S. EPA command post will be established on the west edge of the site. The following protocols provide necessary guidance for the following potential response events:

- Vandalism / Trespass
- Medical Emergencies
- Fire / Explosion

## **Vandalism / Trespass**

In the event of vandalism / trespass the Warren Police Department will respond (without entry into the exclusion zone) and coordinate with U.S. EPA On-Scene Coordinator Mark Durno or Joe Fredle during working hours. If an incident occurs during non-working hours the police department will coordinate with site security guards. Attempts will be made to communicate with offenders from the site perimeter or the site command post via loud speaker. Attempts will be made to apprehend the offenders following their exit from the site. Members of the Warren Police Department or of the site security service should immediately advise U.S. EPA OSC Mark Durno or Joe Fredle of any incidents of trespass or vandalism. Procedures have been prepared by the Warren Police Department on how to deal with an incident at the Mahoningside Site (Attachment A).

## **Medical Emergencies**

Rescue operations, if necessary in the exclusion zone, are to be conducted only if it is not possible for the injured person to be brought outside to EMS personnel. If possible, any medical emergencies will be coordinated by decontaminating and removing injured personnel from the exclusion zone to the support zone (Figure 2). If possible, ERRS crews will decontaminate the victim prior to the arrival of ambulance service on site. The victim will be picked up at the support zone.

The victim should be decontaminated to the maximum extent possible, paying particular attention to the areas of the body or clothing that were in contact with site contaminants. If the injury is minor, a full decontamination should be completed and first aid administered prior to transport. If the victim's condition is serious, at a minimum, emergency decontamination should be completed using the eye wash station located in the support zone. For emergencies requiring transport to a hospital, the victim should be transported to Trumbull Memorial Hospital (1350 E. Market Street, Warren, Ohio). A map showing directions to Trumbull Memorial Hospital from the Mahoningside Power Plant site is attached (Figure 3).

## **Fire / Explosion**

Effective immediately, no one is to enter the exclusion zone for fire fighting purposes without level "B" protection. Level "B" protection consists of a minimum of : supplied breathing air and a chemical protective suit capable of providing splash protection. A site-specific response plan for fire situations at the site has previously been generated by the Warren Fire Department (Attachment B). The Warren Fire Department will be contacted to respond to all fire / explosion incidents at the site. The fire department will evacuate any residents located in the immediate vicinity if necessary. The members of the Warren Fire Department will access the fire from a perimeter location without entering the site exclusion zone. In the event that site entry is necessary the Warren Fire Department's Incident Commander will utilize the present Hazardous Materials Procedure to respond to the fire / explosion incident. All fire fighting for this should be attempted from a perimeter position if possible. The Warren Fire Department and ambulance service will be dispatched; the first-arriving engine officer will assume control. All other personnel will meet at an upwind location and await assignment of duties. Telephone numbers of personnel who should be contacted in the event of an incident are listed on the attached page. At a minimum, the following personnel should be notified:

- U.S. EPA On-Scene Coordinator, Mark Durno/Joe Fredle
- Warren Fire Department

- EQM Response Manager - Eric Bowman

In the event of heavy smoke or toxic gas emission, an evacuation may be necessary and should proceed according to LEPC-EMA guidelines. U.S. EPA Superfund Technical Assessment and Response Team (START) will assist with air monitoring. START assistance will be coordinated through EPA.

# ATTACHMENT A

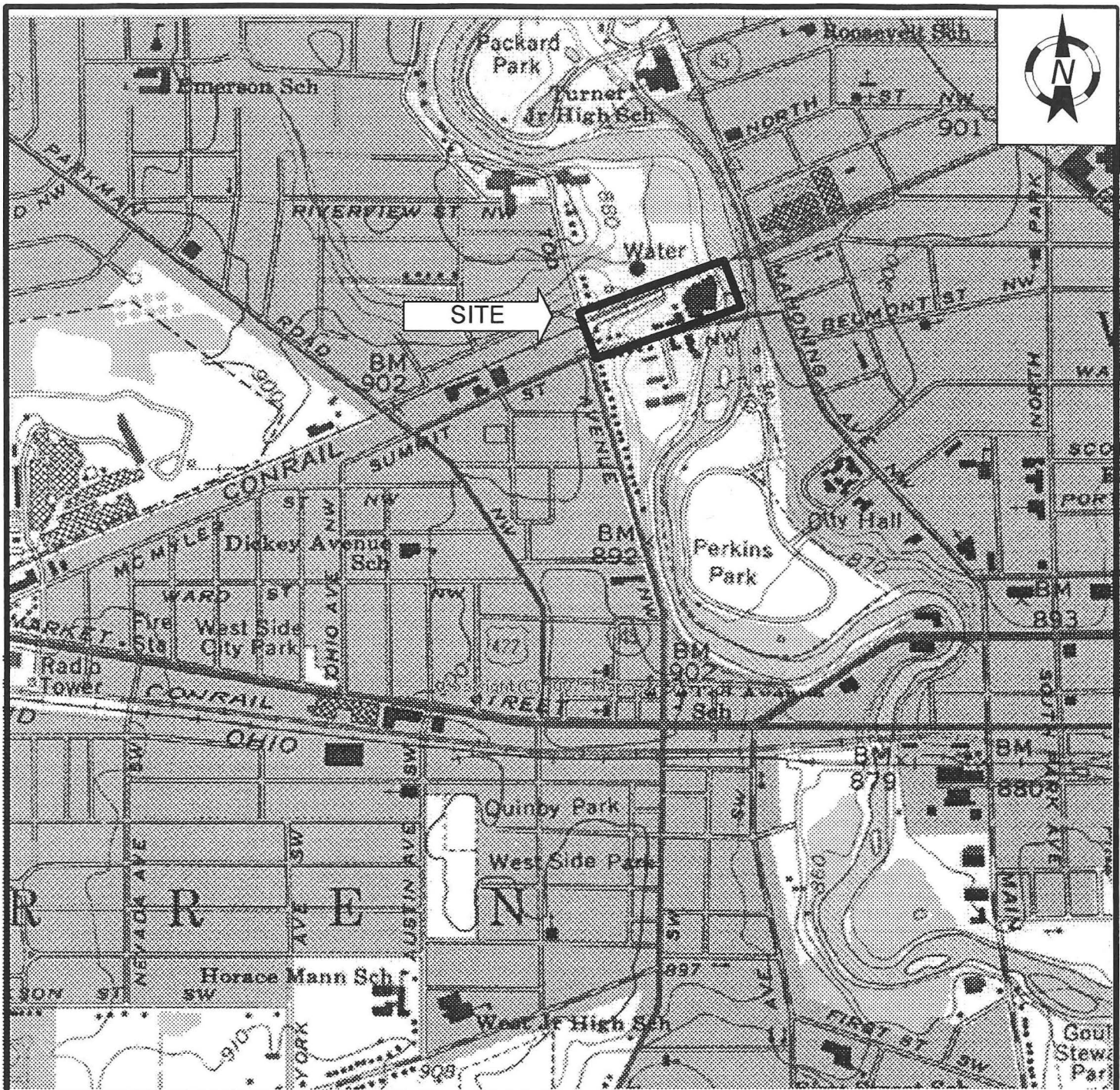
## MAHONINGSIDE POWER PLANT SITE WARREN, TRUMBULL COUNTY, OHIO LIST OF CONTACTS

<b>Local / State:</b>	<b>Contact:</b>	<b>Phone Number:</b>
Warren EMS/Fire/Police	N/A	911
Warren Fire Department (City)	Jay Mulligan, Fire Chief	911 (Non-emergency # 330-841-2542)
Warren Police Department	Dennis Stienbeck, Interim Police Chief	911 (Non-emergency # 330-841-2536)
Trumbull County Sheriff	N/A	911 (Non-emergency # 330-675-2540)
Warren City Board of Health	Robert Pinti	330-841-2592
Ohio Department of Health	N/A	614-466-7972
Trumbull County LEPC	N/A	330-675-2666
Trumbull County EMA	N/A	330-675-2666
<b>Federal:</b>	<b>Contact:</b>	<b>Phone Number:</b>
U.S. EPA On-Scene Coordinator - Westlake, Ohio	Mark Durno	330-373-6723 (site) 440-250-1743 (office) 888-779-2135 (pager) 216-375-0471 (cell phone)
	Joe Fredle	440-250-1740 (office) 800-617-1071 (pager) 216-375-0473 (cell phone)
National Response Center	N/A	800-424-8802
<b>U.S. EPA Contractors:</b>	<b>Contact:</b>	<b>Phone Number:</b>
E&E (START) Contractor	Jeffrey W. Kimble	330-373-6803 (site) 440-243-3330 (office)
EQM (ERRS) Contractor	Eric Bowman	330-306-0480 (site) 513-825-7500 (office)



Figure 1

Site Location Map



#### Quadrangle Location



Ecology and Environment, Inc.

Region 5 - Superfund Technical Assessment and Response Team

6777 Engle Road, Suite N

Middleburg Heights, Ohio 44130

TITLE:	Site Location Map
SITE:	Mahoningside Power Plant
CITY:	Warren
STATE:	Ohio
SOURCE:	Maptech Terrain Navigator Computer Software of USGS Topomaps

FIGURE:	1
SCALE:	1:24,000
TDD:	S05-0009-018
Date:	10-17-00

Figure 2

Site Features Map

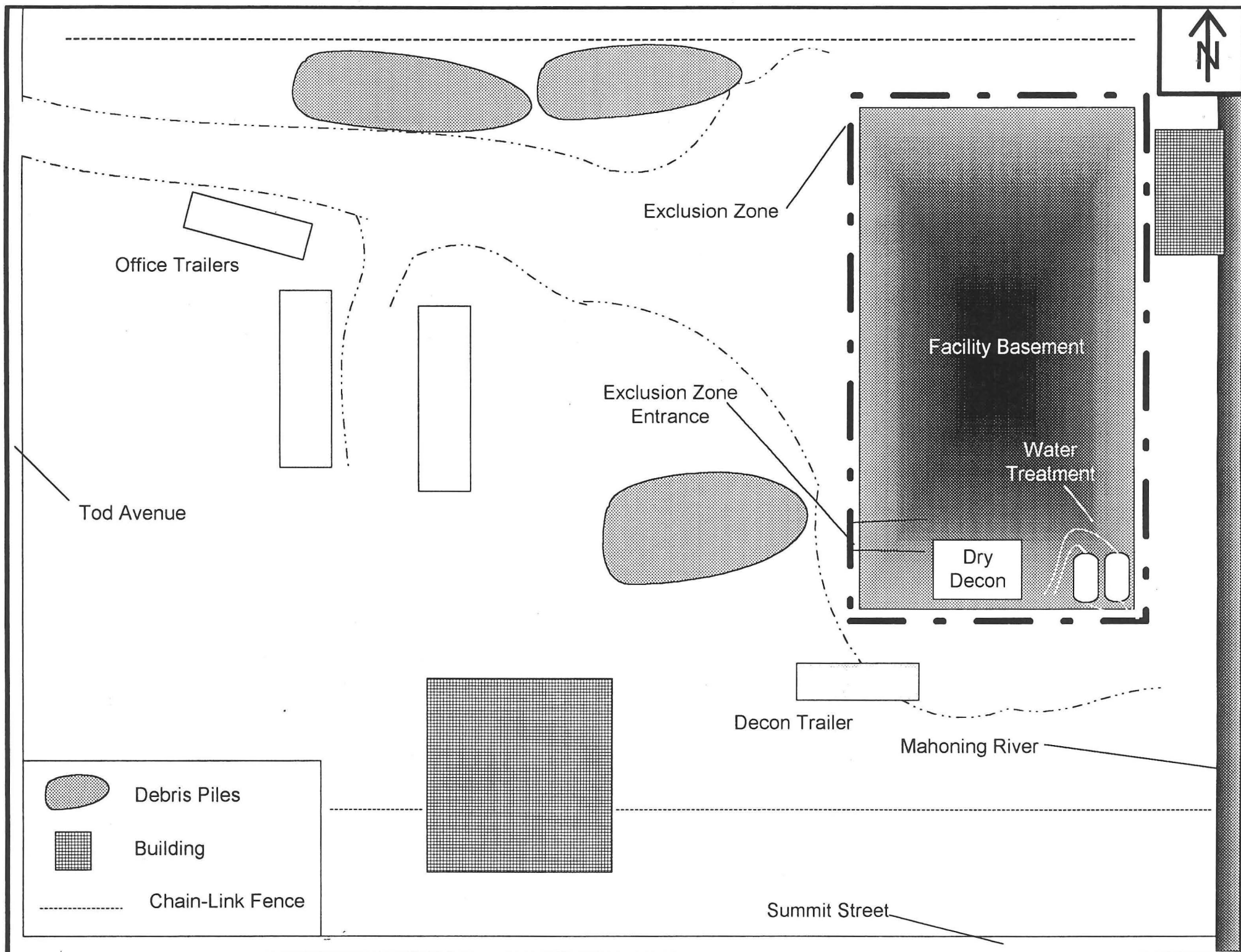
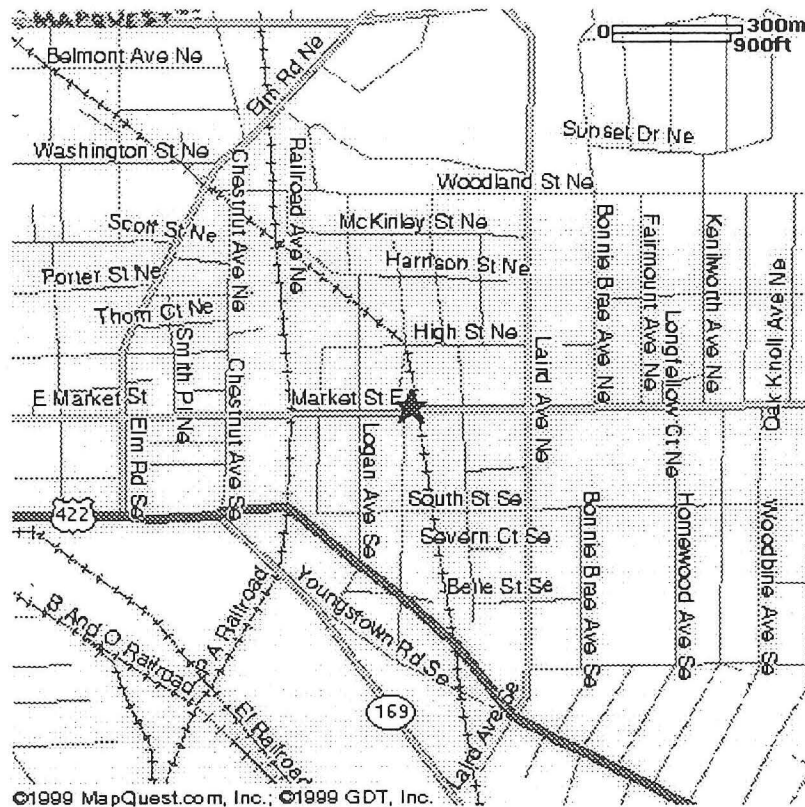
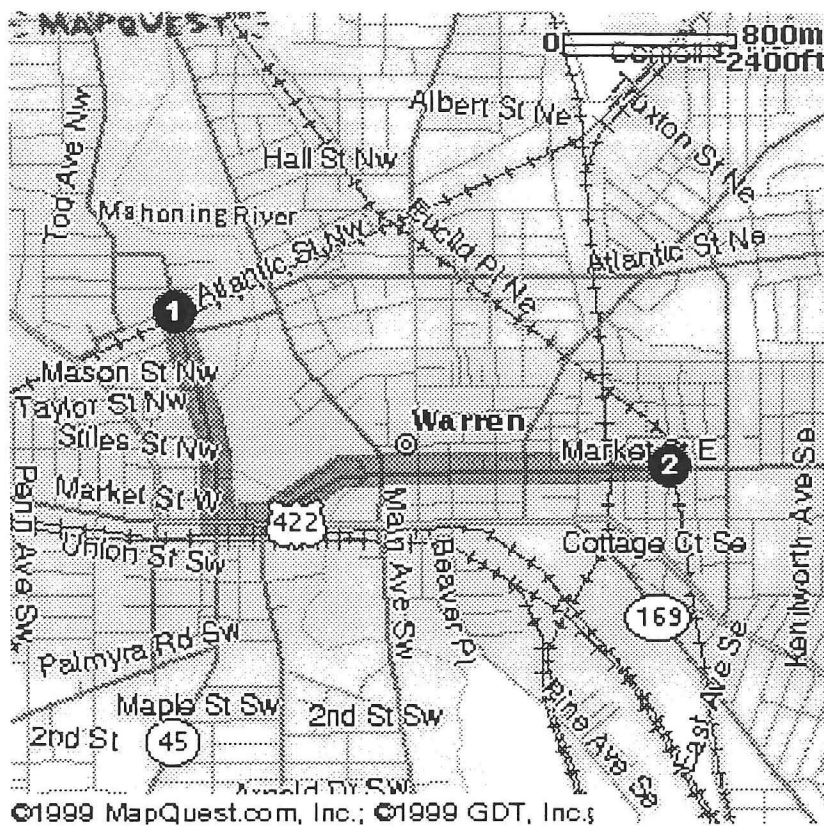


Figure 3

Route to Hospital Map



Go South on Tod Avenue (OH-45) until US-422. Take a left onto US-422 and proceed until West Market Street. Veer slightly left onto West Market and proceed to hospital.

Trumbull Memorial Hospital  
1350 East Market Street



Attachment A

Police Procedures

WARREN POLICE DEPARTMENT  
Emergency Services Division  
141 South Street  
Warren, Ohio 44483  
330 - 394 - 2521

CASE MEMO

TO: All Dispatchers and Police Personnel

DATE: 06-07-00

FROM: Capt. John Mandopoulos

SUBJECT: SUMMIT STREET POWER PLANT CLEAN UP PROJECT--ORDER REGARDING  
DEALING WITH CONTAMINATION ON THE PROPERTY.

DISPATCHERS: When the situation arises that a call to the Summit Street Power Plant Demolition comes in, The Warren Fire Department is to be notified immediately.  
If a situation occurs that an officer has reason to chase someone onto or out of the property, the Warren Fire Dept. will be notified.

Anyone who wanders onto the property, whether it be a City Employee or civilian must be checked by the Fire Department for Contamination.

The Property is contaminated with PCB's and asbestos and you must be decontaminated if you come into contact with these substances. This includes getting it on your shoes.

All Dispatchers, Lieutenants, Sergeants, and Patrol Officers, WILL familiarize themselves with this order and they will be held strictly accountable for its implementation.

Respectfully,

  
Captain John Mandopoulos

  
Captain Dennis Steinbeck, Interim Chief



Attachment B

Fire Department Procedures

## **Section 4 – Fire Response Plan**

The Fire Response Plan affecting the Mahoningside facility for the Warren Fire Department is divided into the following sections:

- A. Fire Suppression Operations
- B. Fire Rescue Operations
- C. Hazardous Materials Operations
- D. Notification

### **A. Fire Suppression Operations**

1. Fire Suppression operations involving the basement area, which contains the sump crocks, floor drains and penstock/discharge tunnels.
  - A. Any fire company responding to and observing a fire of any nature shall use either a dry chemical or carbon dioxide extinguishing agent to extinguish the fire. Water is not to be used unless the fire is threatening to spread outside of the basement, which is extremely unlikely based on site survey.

Special care is to be used by emergency personnel so as to avoid contact with the actual oily residue. In the event of contact, the affected individuals shall be decontaminated in accordance with the Hazardous Materials operational procedure.

2. Fire Suppression operations involving the remaining confined space areas near the northern fence border.
  - A. If a fire company responds to, and observes a fire of any nature in these areas, the Incident Commander can use any one of the normal means employed by the Warren Fire Department for extinguishing the fire. Special consideration is to be given for the use of firefighting foam to blanket the burning debris. The Angus Forespan is to be used as the foam of choice so as not to place any personnel in the enclosed area, whether or not it is determined to be a confined space.
3. Fire Suppression operations involving the remaining areas of the facility.
  - A. If a fire company responds to, and observes a fire of any nature in these areas, the Incident Commander can use any one of the normal means employed by the Warren Fire Department for extinguishing the fire. Special consideration is to be given for the use of firefighting foam to blanket the burning debris. The Angus Forespan is to be used as the foam of choice.

### **B. Fire Rescue Operations**

1. In the event it is necessary for the Fire Department to respond to the Mahoningside facility for a rescue operation involving any person, Rescue 1 shall be dispatched.
2. This response is to also include the summoning of an EMS unit unless one has been dispatched.

## **Section 4 – Fire Response Plan**

Page 2

### **C. Hazardous Materials Operations**

1. If Rescue 1 responds to, and observes any situation that may involve hazardous material in these areas, the Incident Commander shall use the present Hazardous Materials Procedure for the assessment, abatement and decontamination of any situation encountered at the Mahoningside facility.
2. Special attention is to be given in the form of decontamination if the material encountered involves the oil residue from the sealed sump crocks and/or floor drains.

### **D. Notification**

1. Any response that directly involves the oily substance as stated shall necessitate the immediate notification of the Fire Chief and McCabe Engineering's emergency number as listed in the Emergency Notification Numbers.

U.S. EPA REMOVAL ACTION  
AT THE  
MAHONINGSIDE POWER PLANT SITE  
WARREN, TRUMBULL COUNTY, OHIO  
EMERGENCY CONTINGENCY PLAN  
OCTOBER 9, 2000

The Mahoningside Power Plant site is located at 650 Summit Street in Warren, Trumbull County, Ohio. The geographical coordinates for the site are latitude 41°14'37.5" north and longitude 80°49'42.8" west. The site location map (Figure 1) illustrates the location of the site. The site is located in a mixed residential, industrial, and commercial area. The site is bordered to the south by Summit Road. A railroad line is located to the north of the site. The west portion of the site is bound by Tod Avenue, and to the east of the site is the Mahoning River and Mahoning Avenue. There is a school within one mile of the site (to the south). Approximately one half mile to the southeast of the site is City Hall, and there is a city park less than 1/4 mile to the south. The site features map (Figure 2) illustrates the site.

The former Mahoningside Power Plant operated as an electric-producing facility for the city. It may have been subsequently used for transformer stripping operations. Known contamination exists at the site as well as in the Mahoning River adjacent to the site. The contaminants of concern are polychlorinated biphenyls (PCBs) and mercury.

Since 1995, the City of Warren has worked to demolish the former power plant in order for the property to be re-used as part of redevelopment. During the course of the project, asbestos containing materials were found to be part of the fill at the site. Near the end of the demolition project, PCBs were found to be at the site in the basement and may also be leaching into the soft shale bedrock through cracks in the lines and floor of the facility basement. In late spring, 2000, the city ran out of funding to complete the project. There are currently 30 roll-off containers with PCB material at the site, and PCB contaminated sediment is known to still be present on site. Additional sampling activities have been conducted in the Mahoning River by Ohio EPA and PCBs have been identified in river sediments near the site.

On October 10, 2000, U.S. EPA will initiate a removal action at the Mahoningside Power Plant site to stabilize and remove PCB and potential mercury contaminated soils, debris, and sediments. U.S. EPA will also continue water treatment efforts initiated by a City of Warren contractor. A U.S. EPA command post will be established on the west edge of the site. The following protocols provide necessary guidance for the following potential response events:

- Vandalism / Trespass
- Medical Emergencies
- Fire / Explosion

### **Vandalism / Trespass**

In the event of vandalism / trespass the Warren Police Department will respond (without entry into the exclusion zone) and coordinate with U.S. EPA On-Scene Coordinator Mark Durno or Joe Fredle during working hours. If an incident occurs during non-working hours the police department will coordinate with site security guards. Attempts will be made to communicate with offenders from the site perimeter or the site command post via loud speaker. Attempts will be made to apprehend the offenders following their exit from the site. Members of the Warren Police Department or of the site security service should immediately advise U.S. EPA OSC Mark Durno or Joe Fredle of any incidents of trespass or vandalism. Procedures have been prepared by the Warren Police Department on how to deal with an incident at the Mahoningside Site (Attachment A).

### **Medical Emergencies**

Rescue operations, if necessary in the exclusion zone, are to be conducted only if it is not possible for the injured person to be brought outside to EMS personnel. If possible, any medical emergencies will be coordinated by decontaminating and removing injured personnel from the exclusion zone to the support zone (Figure 2). If possible, ERRS crews will decontaminate the victim prior to the arrival of ambulance service on site. The victim will be picked up at the support zone.

The victim should be decontaminated to the maximum extent possible, paying particular attention to the areas of the body or clothing that were in contact with site contaminants. If the injury is minor, a full decontamination should be completed and first aid administered prior to transport. If the victim's condition is serious, at a minimum, emergency decontamination should be completed using the eye wash station located in the support zone. For emergencies requiring transport to a hospital, the victim should be transported to Trumbull Memorial Hospital (1350 E. Market Street, Warren, Ohio). A map showing directions to Trumbull Memorial Hospital from the Mahoningside Power Plant site is attached (Figure 3).

### **Fire / Explosion**

Effective immediately, no one is to enter the exclusion zone for fire fighting purposes without personal protective equipment that meets, at a minimum, NFPA level "D" requirements. NFPA Level "D" protection consists of a minimum of an SCBA and firefighter turnout gear. A site-specific response plan for fire situations at the site has previously been generated by the Warren Fire Department (Attachment B). The Warren Fire Department will be contacted to respond to all fire / explosion incidents at the site. The fire department will evacuate any residents located in the immediate vicinity if necessary. The members of the Warren Fire Department will access the fire from a perimeter location without entering the site exclusion zone. In the event that site entry is necessary the Warren Fire Department's Incident Commander will utilize the present Hazardous Materials Procedure to respond to the fire / explosion incident. All fire fighting for this should be attempted from a perimeter position if possible. The Warren Fire Department and private ambulance service will be dispatched; the first-arriving engine officer will assume control. All other personnel will meet at an upwind location and await assignment of duties. Telephone numbers of personnel who should be contacted in the event of an incident are listed on the attached page. At a

Revision 2 - October 19, 2000

minimum, the following personnel should be notified:

- U.S. EPA On-Scene Coordinator, Mark Durno/Joe Fredle
- Warren Fire Department
- EQM Response Manager - Eric Bowman

In the event of heavy smoke or toxic gas emission, an evacuation may be necessary and should proceed according to LEPC-EMA guidelines. U.S. EPA Superfund Technical Assessment and Response Team (START) will assist with air monitoring. START assistance will be coordinated through EPA.

MAHONINGSIDE POWER PLANT SITE  
WARREN, TRUMBULL COUNTY, OHIO

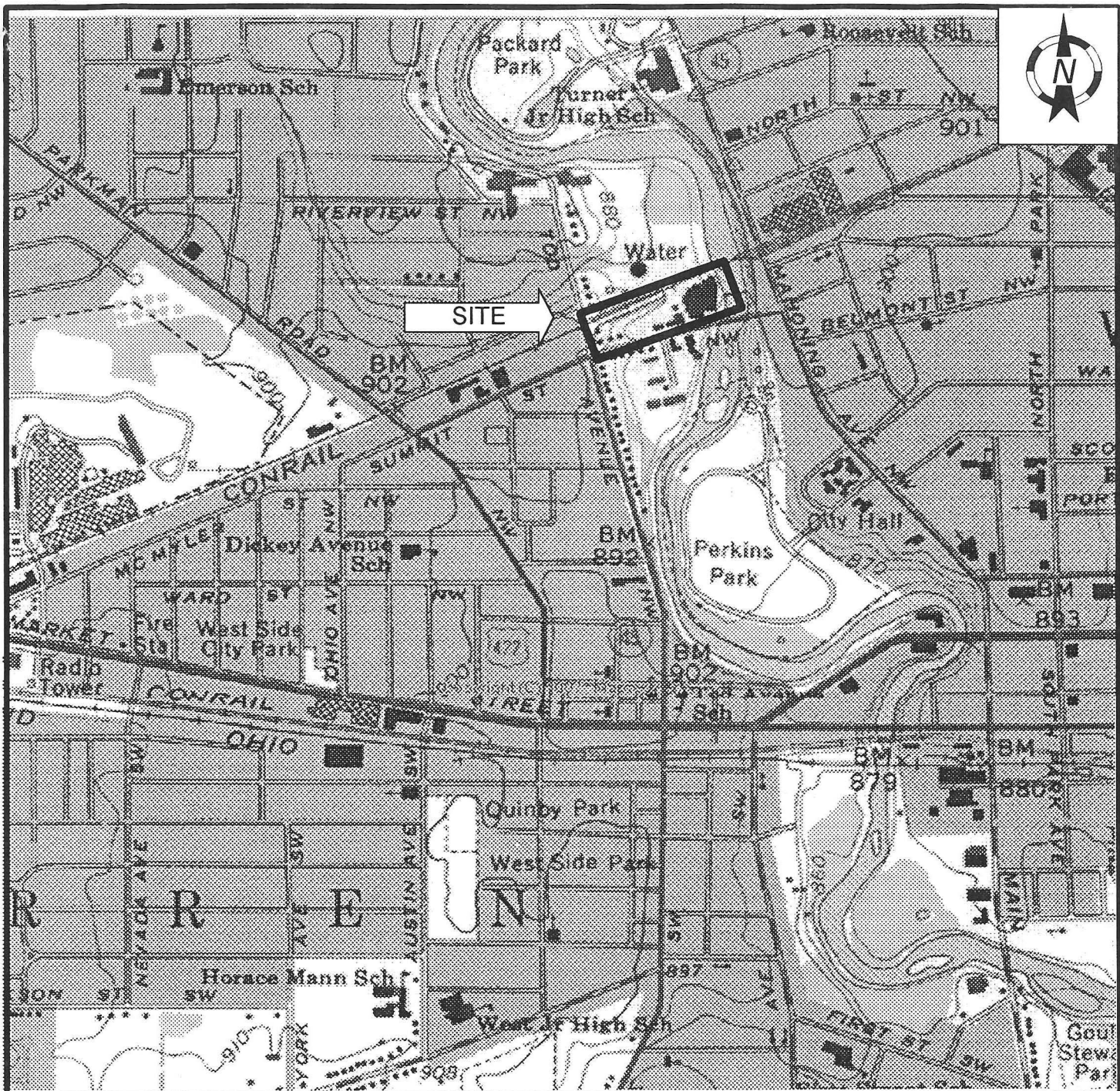
LIST OF CONTACTS

<b>Local / State:</b>	<b>Contact:</b>	<b>Phone Number:</b>
Warren EMS/Fire/Police	N/A	911
Warren Fire Department (City)	Jay Mulligan, Fire Chief or Duty Assistant Chief	911 (Non-emergency # 330-841-2542)
Warren Police Department	Dennis Stienbeck, Interim Police Chief or Captain Roberts	911 (Non-emergency # 330-841-2536)
Trumbull County Sheriff	N/A	911 (Non-emergency # 330-675-2540)
Warren City Board of Health	Robert Pinti	330-841-2592
Ohio Department of Health	N/A	614-466-7972
Trumbull County LEPC	N/A	330-675-2666
Trumbull County EMA	N/A	330-675-2666
<b>Federal:</b>	<b>Contact:</b>	<b>Phone Number:</b>
U.S. EPA On-Scene Coordinator - Westlake, Ohio	Mark Durno	330-373-6723 (site) 440-250-1743 (office) 888-779-2135 (pager) 216-375-0471 (cell phone)
	Joe Fredle	440-250-1740 (office) 800-617-1071 (pager) 216-375-0473 (cell phone)
National Response Center	N/A	800-424-8802
<b>U.S. EPA Contractors:</b>	<b>Contact:</b>	<b>Phone Number:</b>
E&E (START) Contractor	Jeffrey W. Kimble	330-373-6803 (site) 440-243-3330 (office)
EQM (ERRS) Contractor	Eric Bowman	330-306-0480 (site) 513-825-7500 (office)

Figure 1

Site Location Map





#### Quadrangle Location



Ecology and Environment, Inc.

Region 5 - Superfund Technical Assessment and Response Team

6777 Engle Road, Suite N

Middleburg Heights, Ohio 44130

TITLE: Site Location Map

FIGURE: 1

SITE: Mahoningside Power Plant

SCALE: 1:24,000

CITY: Warren STATE: Ohio

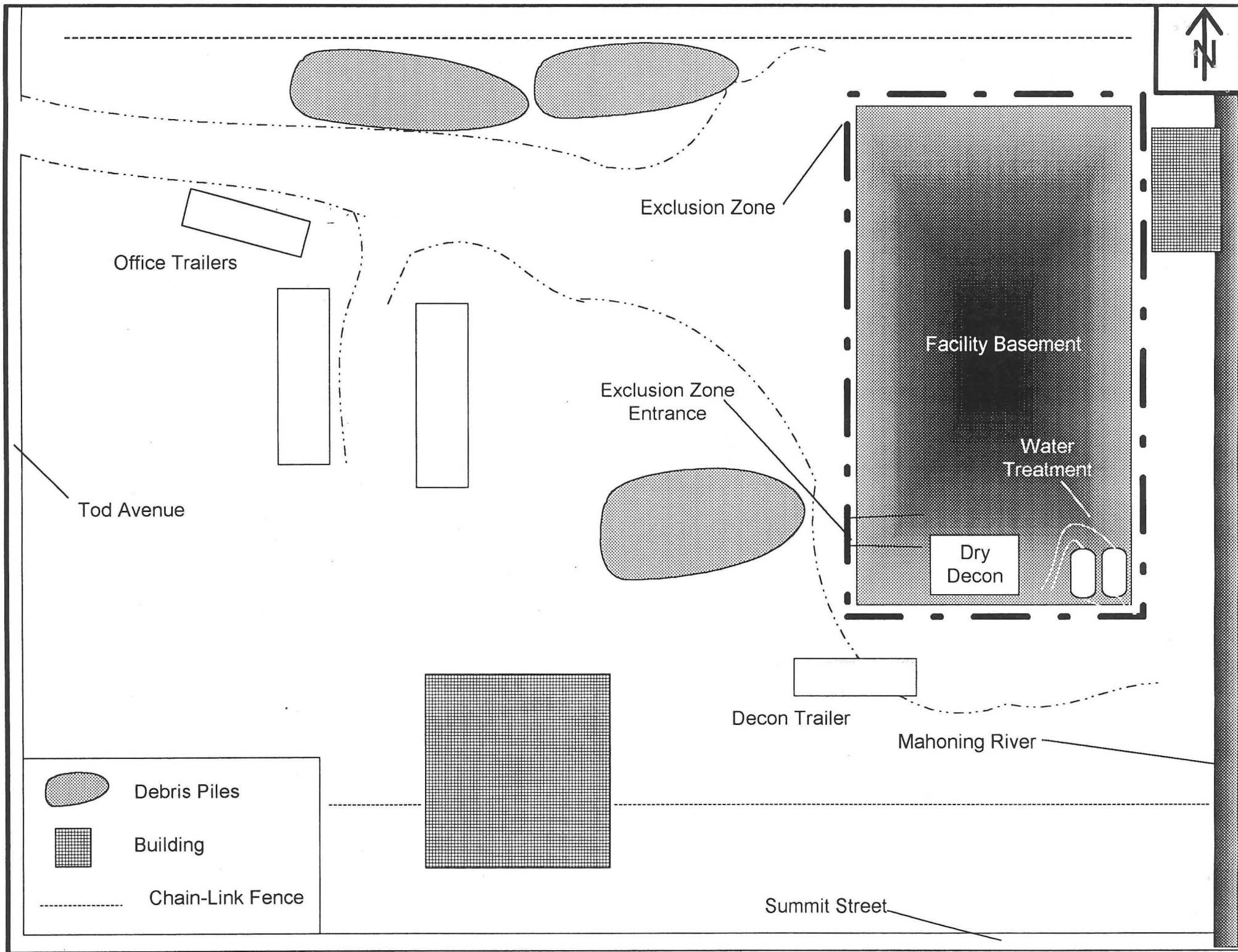
TDD: S05-0009-018

SOURCE: Maptech Terrain Navigator Computer  
Software of USGS Topomaps

Date: 10-17-00

Figure 2

Site Features Map



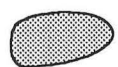


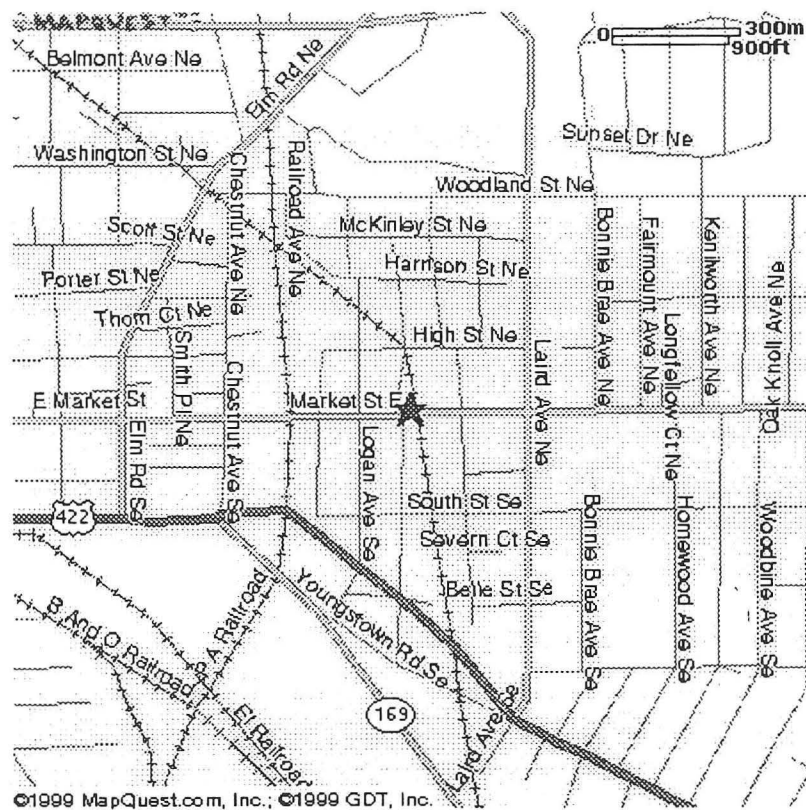
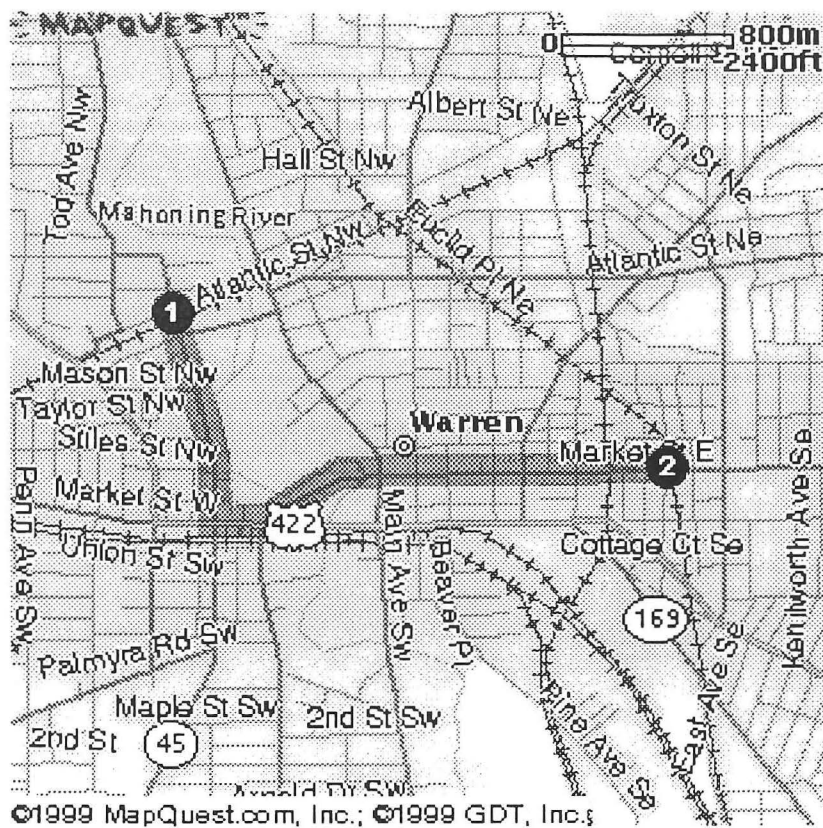
-  Debris Piles
-  Building
-  Chain-Link Fence

Figure 3

Route to Hospital Map



Go South on Tod Avenue (OH-45) until US-422. Take a left onto US-422 and proceed until West Market Street. Veer slightly left onto West Market and proceed to hospital.

Trumbull Memorial Hospital  
1350 East Market Street



Attachment A

Police Procedures

WARREN POLICE DEPARTMENT  
Emergency Services Division  
141 South Street  
Warren, Ohio 44483  
330 - 394 - 2521

CASE MEMO

TO: All Dispatchers and Police Personnel

DATE: 06-07-00

FROM: Capt. John Mandopoulos

SUBJECT: SUMMIT STREET POWER PLANT CLEAN UP PROJECT--ORDER REGARDING  
DEALING WITH CONTAMINATION ON THE PROPERTY.

DISPATCHERS: When the situation arises that a call to the Summit Street Power Plant Demolition comes in, The Warren Fire Department is to be notified immediately.  
If a situation occurs that an officer has reason to chase someone onto or out of the property, the Warren Fire Dept. will be notified.

Anyone who wanders onto the property, whether it be a City Employee or civilian must be checked by the Fire Department for Contamination.

The Property is contaminated with PCB's and asbestos and you must be decontaminated if you come into contact with these substances. This includes getting it on your shoes.

All Dispatchers, Lieutenants, Sergeants, and Patrol Officers, WILL familiarize themselves with this order and they will be held strictly accountable for its implementation.

Respectfully,

  
Captain John Mandopoulos

  
Captain Dennis Steinbeck, Interim Chief

Attachment B

Fire Department Procedures



## **Section 4 – Fire Response Plan**

The Fire Response Plan affecting the Mahoningside facility for the Warren Fire Department is divided into the following sections:

- A. Fire Suppression Operations
- B. Fire Rescue Operations
- C. Hazardous Materials Operations
- D. Notification

### **A. Fire Suppression Operations**

1. Fire Suppression operations involving the basement area, which contains the sump crocks, floor drains and penstock/discharge tunnels.
  - A. Any fire company responding to and observing a fire of any nature shall use either a dry chemical or carbon dioxide extinguishing agent to extinguish the fire. Water is not to be used unless the fire is threatening to spread outside of the basement, which is extremely unlikely based on site survey.

Special care is to be used by emergency personnel so as to avoid contact with the actual oily residue. In the event of contact, the affected individuals shall be decontaminated in accordance with the Hazardous Materials operational procedure.

2. Fire Suppression operations involving the remaining confined space areas near the northern fence border.
  - A. If a fire company responds to, and observes a fire of any nature in these areas, the Incident Commander can use any one of the normal means employed by the Warren Fire Department for extinguishing the fire. Special consideration is to be given for the use of firefighting foam to blanket the burning debris. The Angus Forespan is to be used as the foam of choice so as not to place any personnel in the enclosed area, whether or not it is determined to be a confined space.
3. Fire Suppression operations involving the remaining areas of the facility.
  - A. If a fire company responds to, and observes a fire of any nature in these areas, the Incident Commander can use any one of the normal means employed by the Warren Fire Department for extinguishing the fire. Special consideration is to be given for the use of firefighting foam to blanket the burning debris. The Angus Forespan is to be used as the foam of choice.

### **B. Fire Rescue Operations**

1. In the event it is necessary for the Fire Department to respond to the Mahoningside facility for a rescue operation involving any person, Rescue 1 shall be dispatched.
2. This response is to also include the summoning of an EMS unit unless one has been dispatched.

## **Section 4 – Fire Response Plan**

Page 2

### **C. Hazardous Materials Operations**

1. If Rescue 1 responds to, and observes any situation that may involve hazardous material in these areas, the Incident Commander shall use the present Hazardous Materials Procedure for the assessment, abatement and decontamination of any situation encountered at the Mahoningside facility.
2. Special attention is to be given in the form of decontamination if the material encountered involves the oil residue from the sealed sump crocks and/or floor drains.

### **D. Notification**

1. Any response that directly involves the oily substance as stated shall necessitate the immediate notification of the Fire Chief and McCabe Engineering's emergency number as listed in the Emergency Notification Numbers.